



Appendix A.5

Other Household Appliances

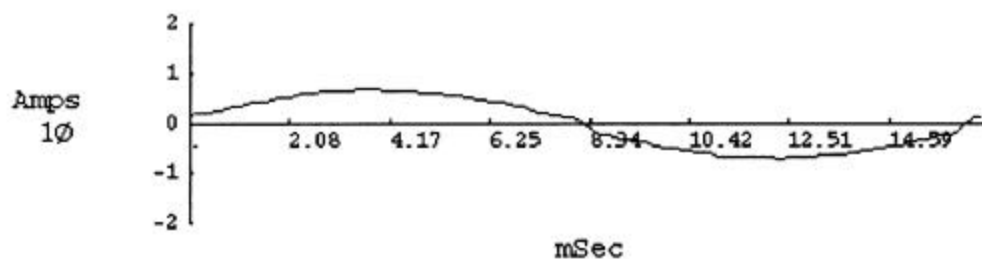


Light Bulb
Model - General Electric
Ratings - 120V, 60W

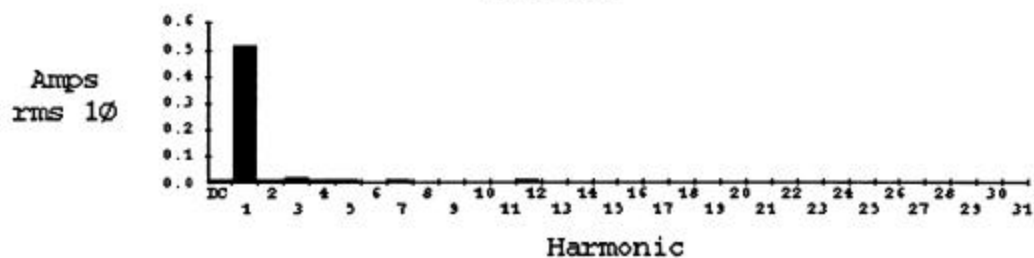
Normal Voltage Condition

Frequency	59.98	RMS	Voltage	120.40	Current
Power		Peak		168.91	0.71
Watts	60.01	DC Offset		0.16	-0.01
VA	61.03	Crest		1.4	1.39
Vars	7.14	THD Rms		1.41	7.36
Peak W	120.28	THD Fund		1.41	7.38
Phase	7° lead	HRMS		1.70	0.04
Total PF	0.99	KFactor			1.52
DPF	0.99				

Current



Current

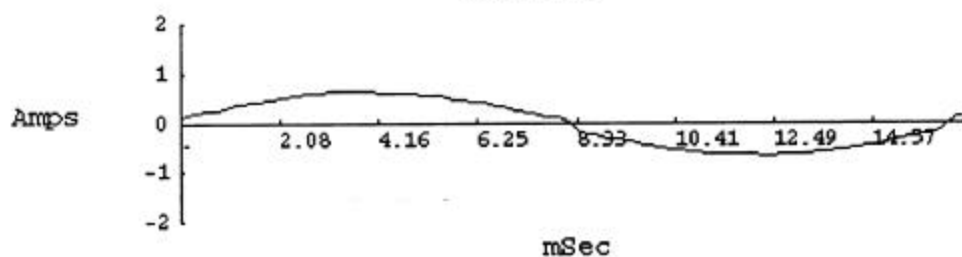


Light Bulb
Model - General Electric
Ratings - 120V, 60W

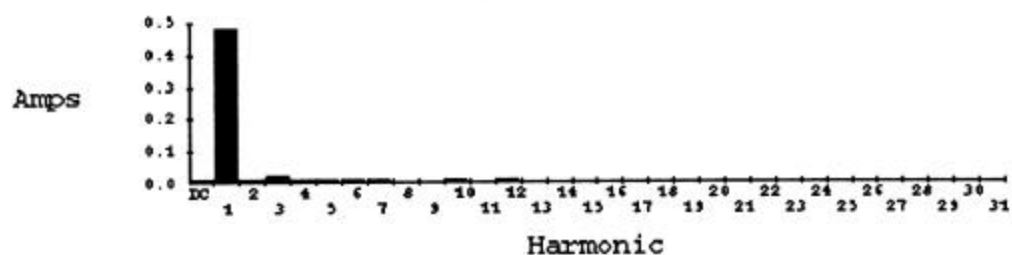
Low Voltage Condition

			Voltage	Current
Frequency	60.04	RMS	108.34	0.49
Power		Peak	151.94	0.67
Watts	52.01	DC Offset	0.07	-0.01
VA	52.03	Crest	1.4	1.37
Vars	6.14	THD Rms	1.47	7.62
Peak W	103.28	THD Fund	1.47	7.64
Phase	7° lead	HRMS	1.60	0.04
Total PF	0.99	KFactor		1.50
DPF	0.99			

Current



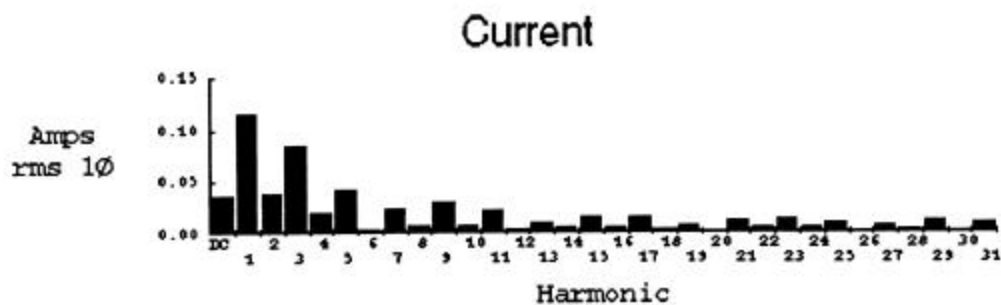
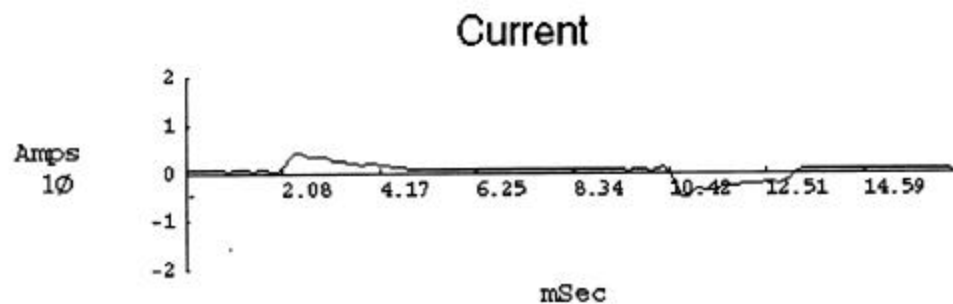
Current



Compact Fluorescent Bulb
Model - Lights of America 2000
Ratings - 120V, 13W

Normal Voltage Condition

			Voltage	Current
Frequency	59.96	RMS	119.79	0.17
Power		Peak	168.40	0.46
Watts	12.00	DC Offset	0.21	0.04
VA	20.00	Crest	1.41	2.69
Vars	5.00	THD Rms	2.36	71.34
Peak W	67.00	THD Fund	2.36	101.80
Phase	21° lead	HRMS	2.83	0.12
Total PF	0.63			
DPF	0.93			

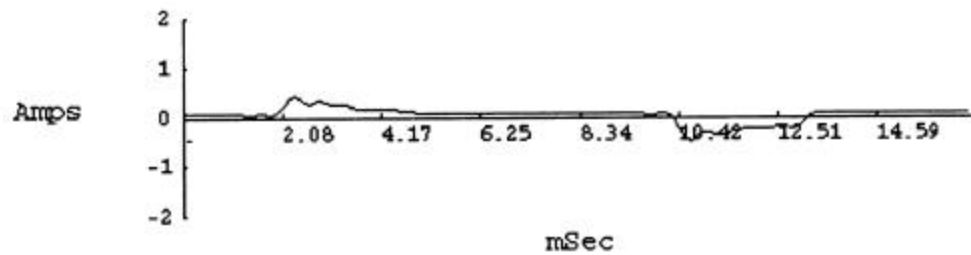


Compact Fluorescent Bulb
Model - Lights of America 2000
Ratings - 120V, 13W

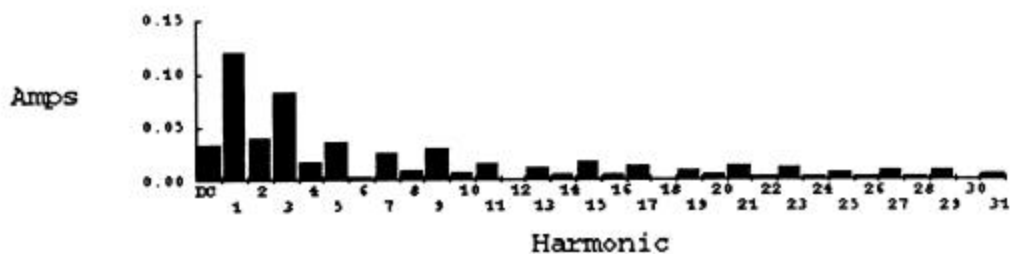
Low Voltage Condition

			Voltage	Current
Frequency	59.96	RMS	107.82	0.17
Power		Peak	151.70	0.46
Watts	11.00	DC Offset	0.18	0.03
VA	18.00	Crest	1.41	2.75
Vars	4.00	THD Rms	2.38	69.39
Peak W	58.00	THD Fund	2.38	96.38
Phase	22° lead	HRMS	2.56	0.12
Total PF	0.64	KFactor		29.29
DPF	0.93			

Current



Current

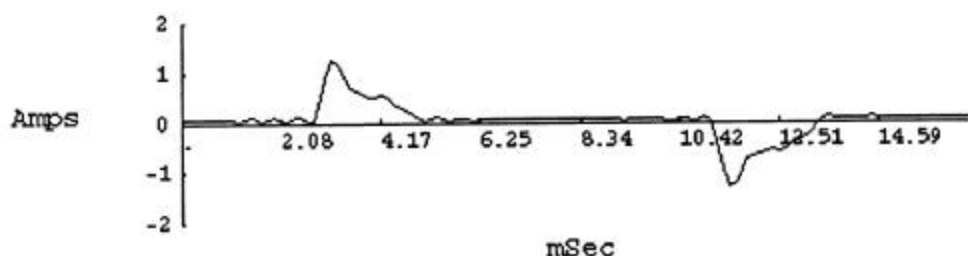


Compact Fluorescent Light
Model - Lights of America 2630
Ratings - 120V, 30W

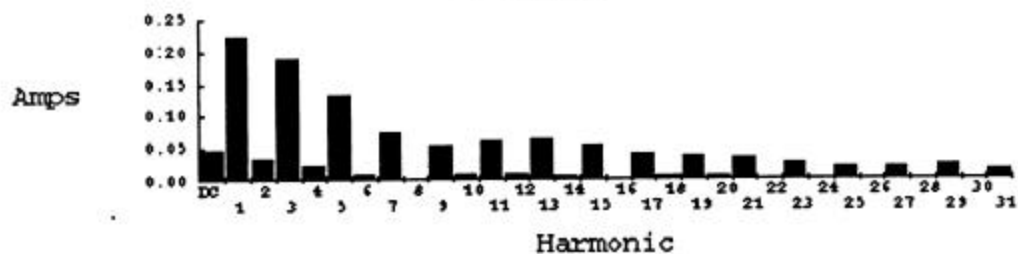
Normal Voltage Condition

			Voltage	Current
Frequency	59.96	RMS	119.49	0.36
Power		Peak	167.95	1.31
Watts	25.00	DC Offset	0.30	0.04
VA	43.00	Crest	1.41	3.60
Vars	5.00	THD Rms	2.54	78.17
Peak W	203.00	THD Fund	2.54	125.35
Phase	12° lead	HRMS	3.03	0.28
Total PF	0.59			
DPF	0.98			

Current



Current

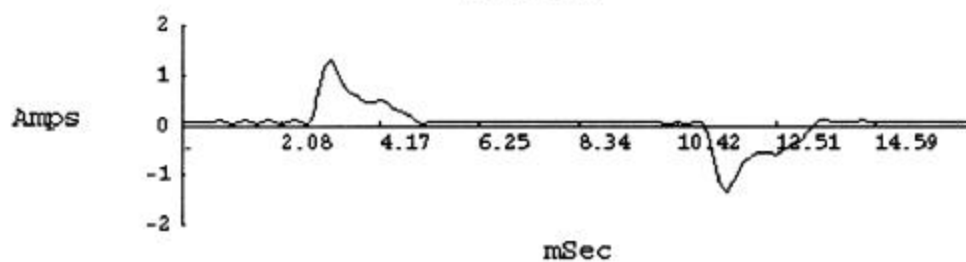


Compact Fluorescent Light
Model - Lights of America 2630
Ratings - 120V, 30W

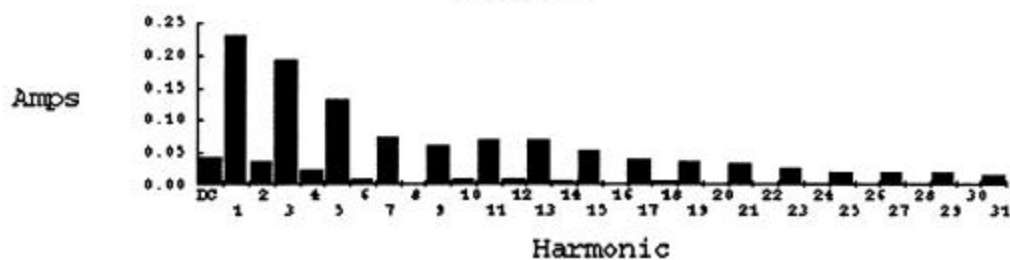
Low Voltage Condition

Frequency	59.96	RMS	Voltage	Current
Power		Peak	108.24	0.37
Watts	23.00	DC Offset	152.34	1.37
VA	40.00	Crest	0.27	0.04
Vars	5.00	THD Rms	1.41	3.66
Peak W	192.00	THD Fund	2.55	78.04
Phase	13° lead	HRMS	2.55	124.81
Total PF	0.59	DPF	2.76	0.29
			0.98	

Current



Current

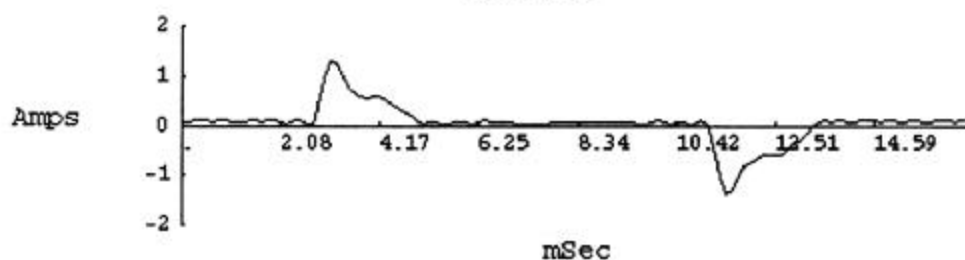


Compact Fluorescent Light
Model - Lights of America 4010
Ratings - 120V, 30W

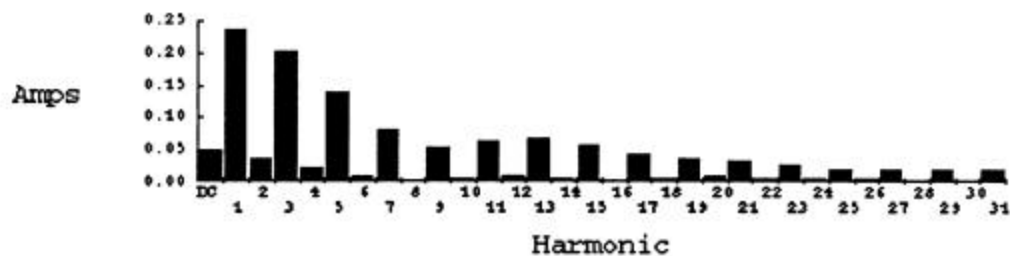
Normal Voltage Condition

Frequency	59.96	RMS	Voltage	Current
Power		Peak	120.43	0.39
Watts	27.00	DC Offset	169.38	1.39
VA	46.00	Crest	0.15	0.05
Vars	7.00	THD Rms	1.41	3.58
Peak W	215.00	THD Fund	2.59	78.20
Phase	15° lead	HRMS	2.59	125.47
Total PF	0.58		3.12	0.30
DPF	0.97			

Current



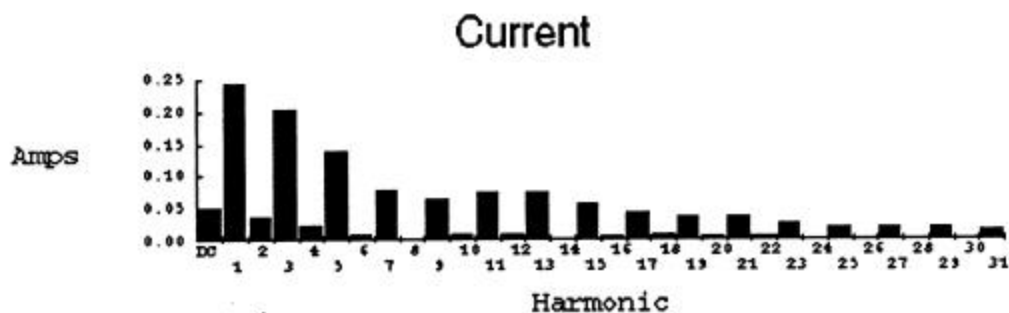
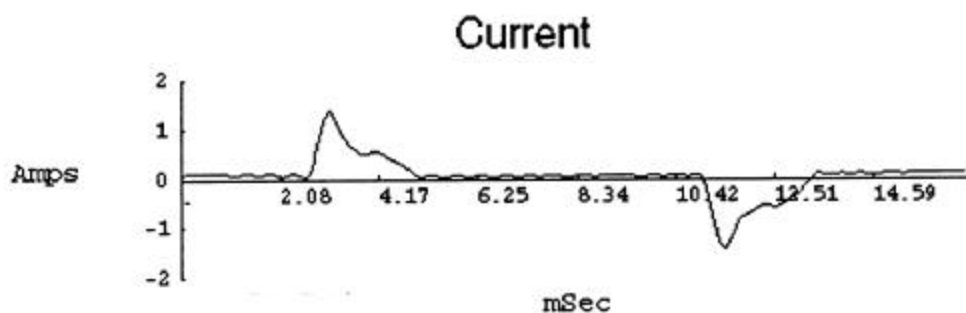
Current



Compact Fluorescent Light
Model - Lights of America 4010
Ratings - 120V, 30W

Low Voltage Condition

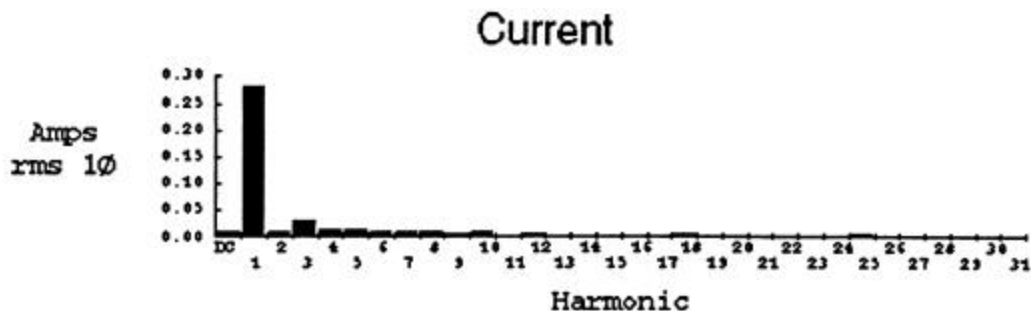
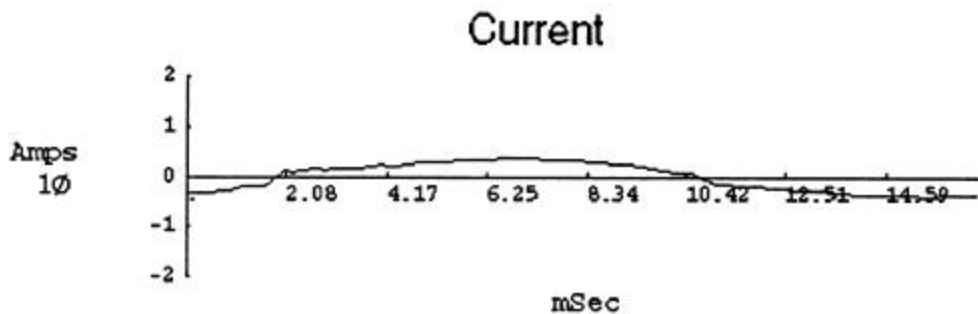
Frequency	59.96	RMS	Voltage	108.36	Current
Power		Peak	152.34		1.46
Watts	24.00	DC Offset	0.15		0.05
VA	42.00	Crest	1.41		3.67
Vars	7.00	THD Rms	2.61		78.02
Peak W	203.00	THD Fund	2.61		124.71
Phase	16° lead	HRMS	2.83		0.31
Total PF	0.58				
DPF	0.96				



Electronic Ballast
Model - Sylvenia CF20EL
Ratings - 120V, 20W

Normal Voltage Condition

Frequency	59.98	RMS	Voltage	Current
Power		Peak	120.19	0.29
Watts	21.52	DC Offset	168.66	0.40
VA	34.58	Crest	0.13	-0.01
Vars	26.02	THD Rms	1.4	1.41
Peak W	53.39	THD Fund	1.50	15.01
Phase	51° lag	HRMS	1.50	15.18
Total PF	0.63	KFactor	1.80	0.04
DPF	0.62			2.40

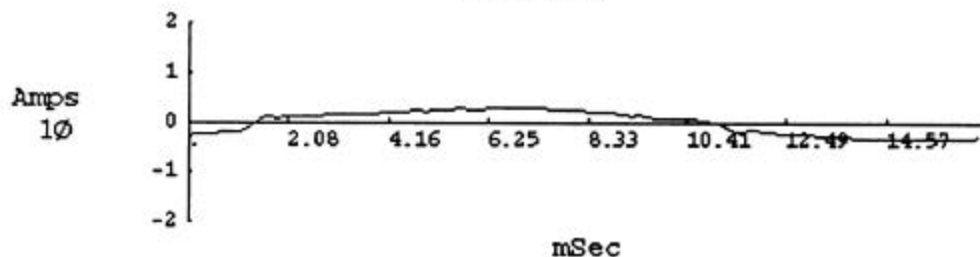


Electronic Ballast
Model - Sylvenia CF20EL
Ratings - 120V, 20W

Low Voltage Condition

Frequency	60.04	RMS	Voltage	108.01	Current
Power		Peak		151.44	0.32
Watts	16.52	DC Offset		0.06	0.00
VA	24.58	Crest		1.4	1.38
Vars	17.02	THD Rms		1.57	20.00
Peak W	42.39	THD Fund		1.57	20.42
Phase	46° lag	HRMS		1.69	0.05
Total PF	0.68	KFactor			3.18
DPF	0.70				

Current



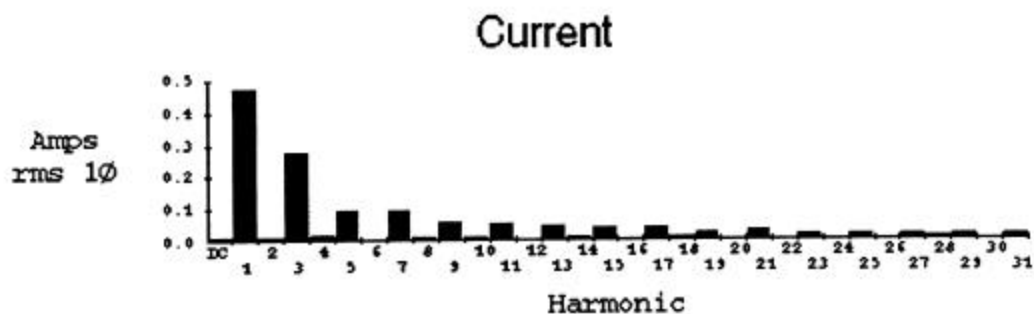
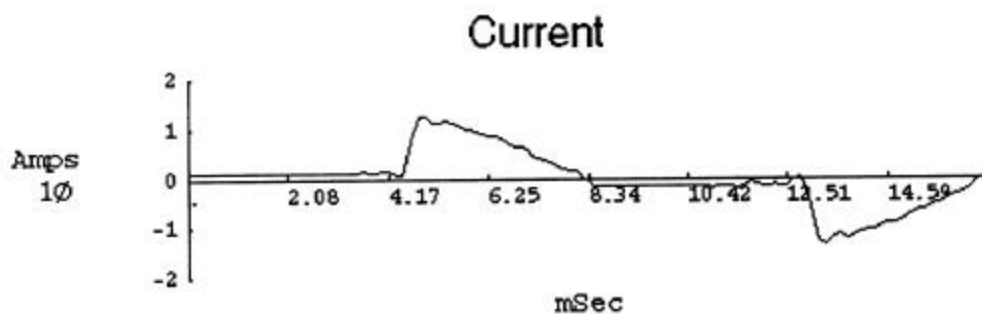
Current



Light Dimmer
Model – Lutron TI-300
Ratings – 120V, 300W

Normal Voltage Condition

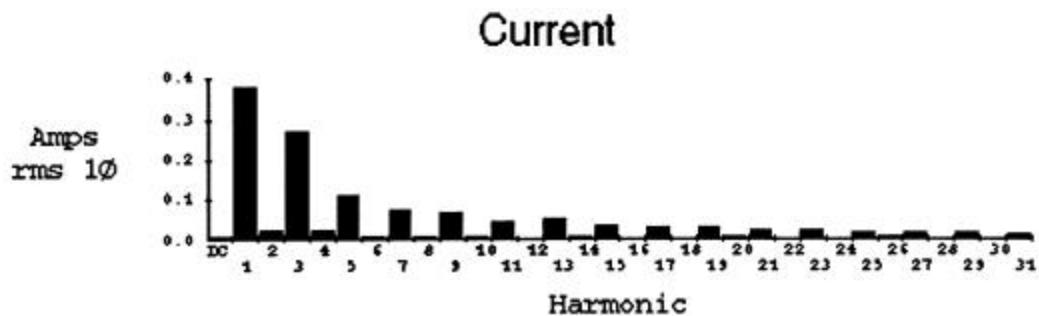
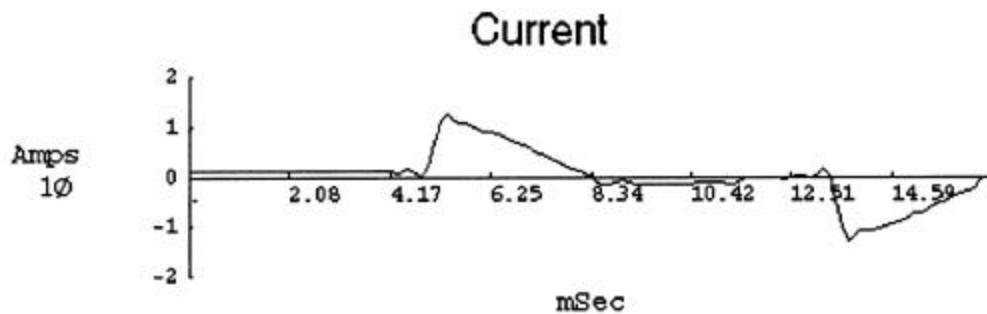
Frequency	59.98	RMS	Voltage	Current
Power		Peak	119.93	0.58
Watts	50.52	DC Offset	168.73	1.34
VA	69.58	Crest	0.12	-0.01
Vars	26.02	THD Rms	1.41	2.32
Peak W	223.39	THD Fund	1.37	56.40
Phase	28° lag	HRMS	1.37	68.30
Total PF	0.73	KFactor	1.64	0.33
DPF	0.88			14.89



Light Dimmer
Model – Lutron TI-300
Ratings – 120V, 300W

Low Voltage Condition

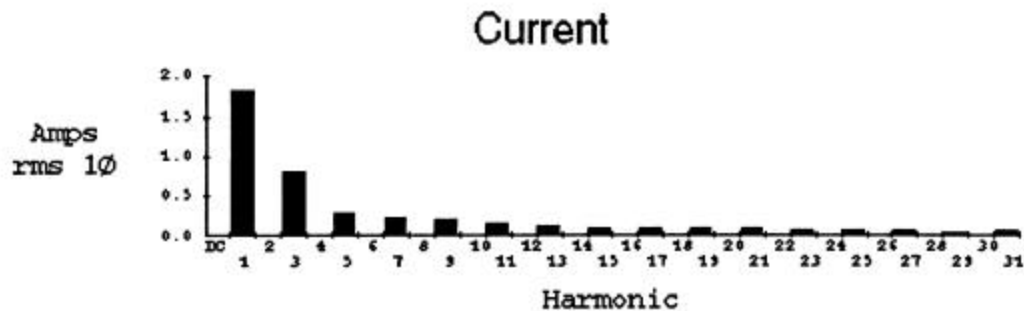
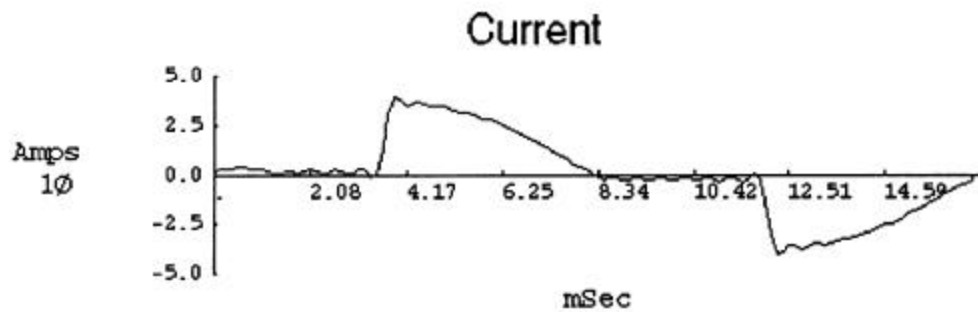
Frequency	59.98	RMS	Voltage	Current
Power		Peak	108.08	0.51
Watts	34.52	DC Offset	151.79	1.30
VA	54.58	Crest	0.14	0.01
Vars	22.02	THD Rms	1.4	2.56
Peak W	182.39	THD Fund	1.36	65.42
Phase	34° lag	HRMS	1.36	86.50
Total PF	0.63	KFactor	1.47	0.33
DPF	0.83			19.56



Light Dimmer
Model – Lutron 6B38
Ratings – 120V, 600W

Normal Voltage Condition

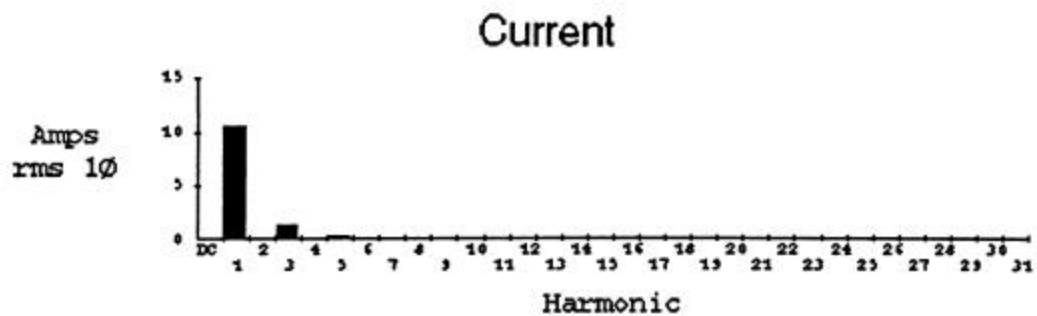
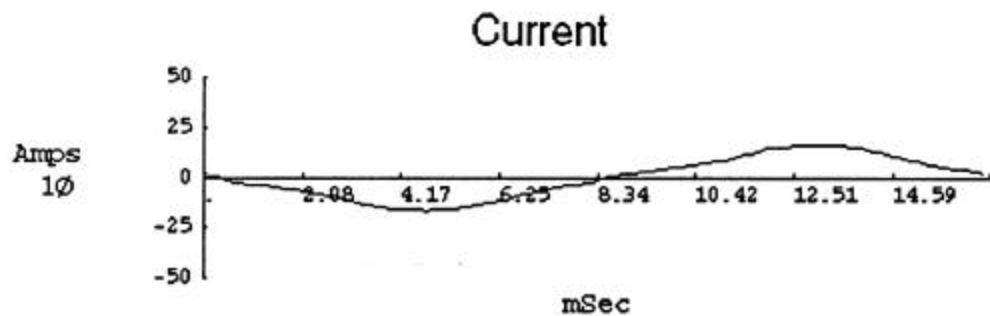
Frequency	59.98	RMS	Voltage	Current
Power		Peak	120.22	2.05
KW	0.20	DC Offset	168.42	4.05
KVA	0.25	Crest	0.17	-0.02
KVAR	0.08	THD Rms	1.4	1.97
Peak KW	0.68	THD Fund	1.39	46.43
Phase	22° lag	HRMS	1.39	52.42
Total PF	0.82	KFactor	1.67	0.95
DPF	0.93			11.10



Vacuum Cleaner
Model - Eureka 6865
Ratings - 120V, 12A

Normal Voltage Condition

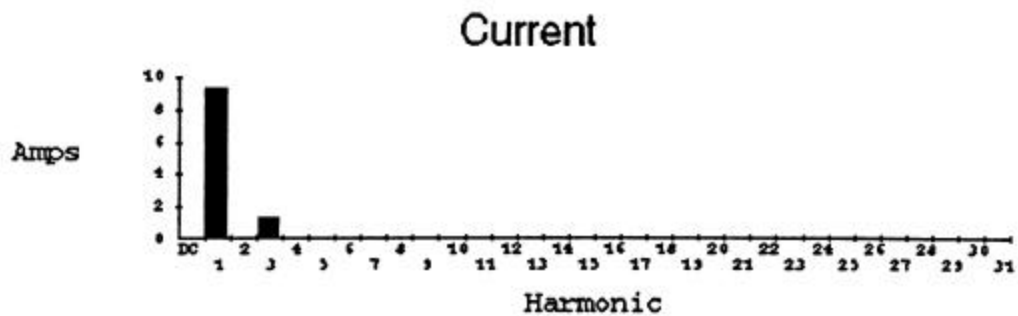
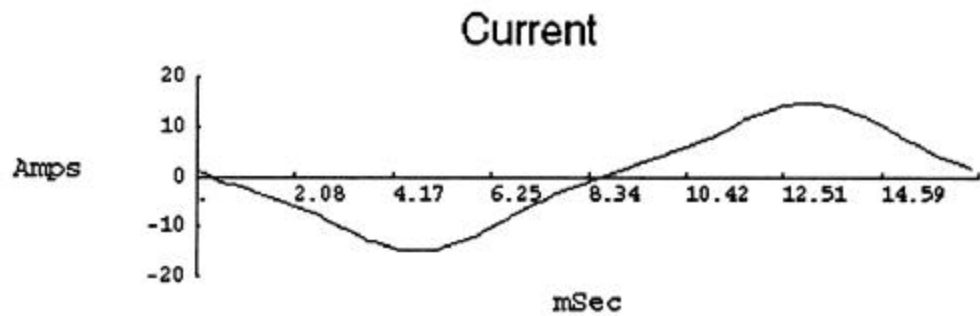
Frequency	59.98	RMS	Voltage	120.57	Current
Power		Peak	168.54		16.89
KW	-1.25	DC Offset	0.16		-0.20
KVA	1.27	Crest	1.4		1.60
KVAR	0.17	THD Rms	1.42		13.17
Peak KW	-2.84	THD Fund	1.42		13.29
Phase	172° lead	HRMS	1.71		1.39
Total PF	-0.98	KFactor			1.24
DPF	-0.99				



Vacuum Cleaner
Model - Eureka 6865
Ratings - 120V, 12A

Low Voltage Condition

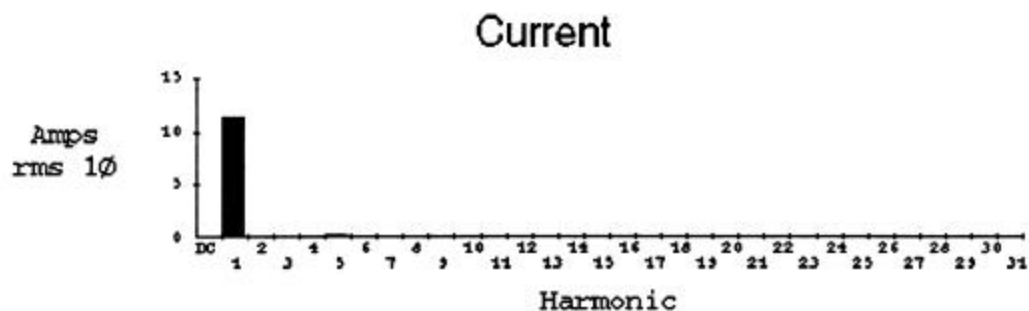
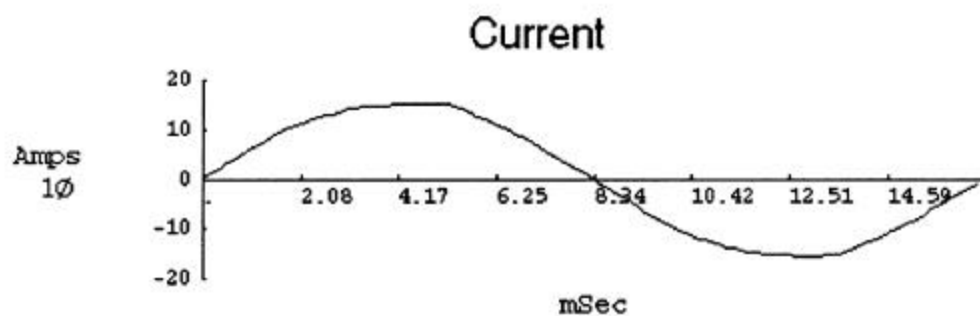
Frequency	59.98	RMS	Voltage	Current
Power		Peak	108.39	9.48
KW	-1.01	DC Offset	151.50	15.18
KVA	1.03	Crest	0.17	-0.01
KVAR	0.14	THD Rms	1.4	1.60
Peak KW	-2.28	THD Fund	1.41	13.76
Phase	172° lead	HRMS	1.41	13.89
Total PF	-0.98	KFactor	1.53	1.30
DPF	-0.99			1.16



Portable Heater
Model - Servess
Ratings - 120V, 50-60 Hz

Normal Voltage Condition

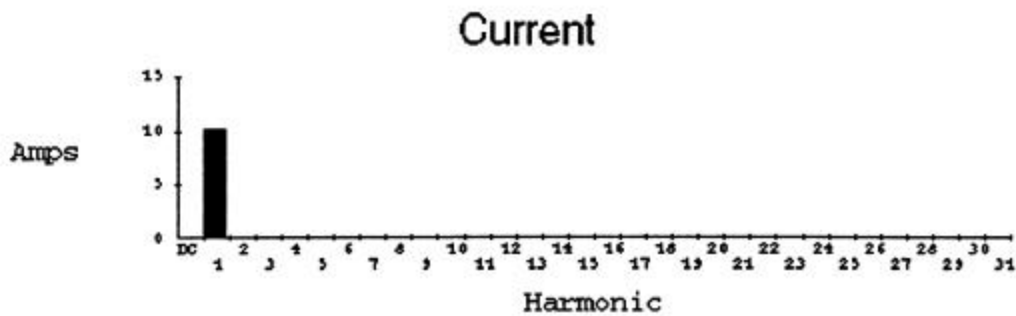
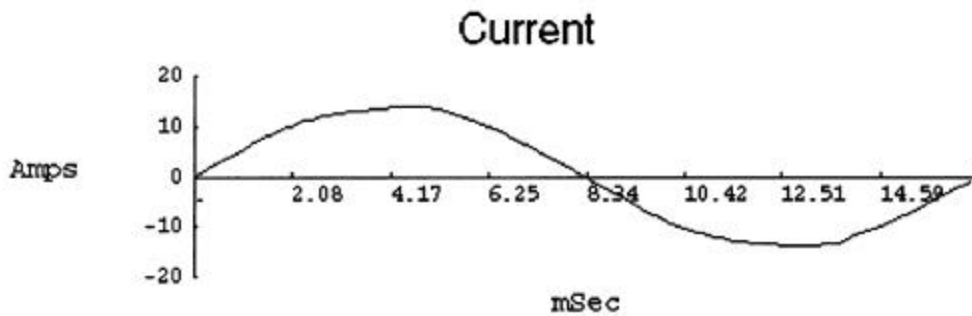
			Voltage	Current
Frequency	59.96	RMS	120.42	11.34
Power		Peak	168.83	15.78
KW	1.37	DC Offset	0.01	-0.02
KVA	1.37	Crest	1.4	1.39
KVAR	0.02	THD Rms	2.66	2.51
Peak KW	2.67	THD Fund	2.66	2.51
Phase	1° lead	HRMS	3.20	0.29
Total PF	1.00	KFactor		1.02
DPF	1.00			



Portable Heater
Model - Servess
Ratings - 120V, 50-60 Hz

Low Voltage Condition

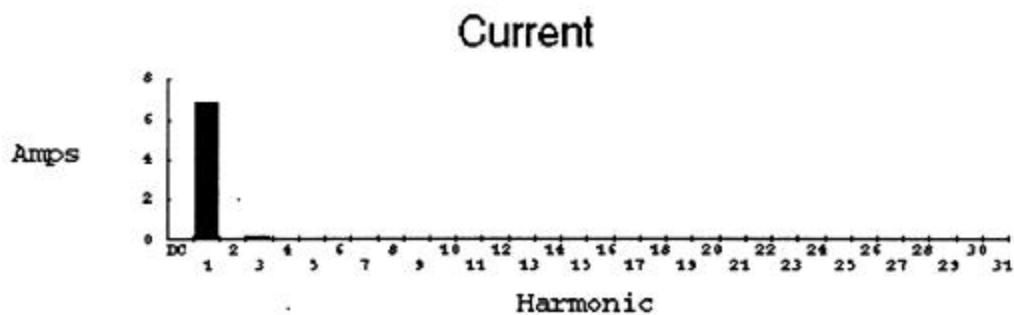
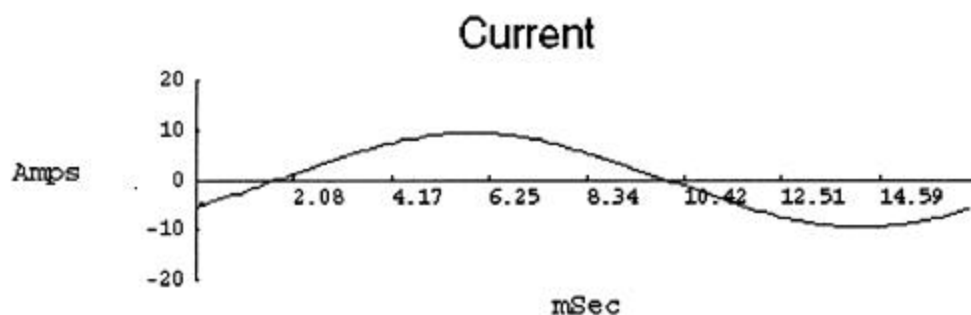
Frequency	59.96	RMS	Voltage	Current
Power		Peak	107.92	10.18
KW	1.10	DC Offset	151.03	14.13
KVA	1.10	Crest	-0.01	-0.02
KVAR	0.01	THD Rms	1.4	1.39
Peak KW	2.14	THD Fund	2.70	2.56
Phase	1° lead	HRMS	2.70	2.56
Total PF	1.00	KFactor	2.91	0.26
DPF	1.00			1.02



House Fan
Model - Emerson WHF1130
Ratings - 120V

Normal Voltage Condition at high speed

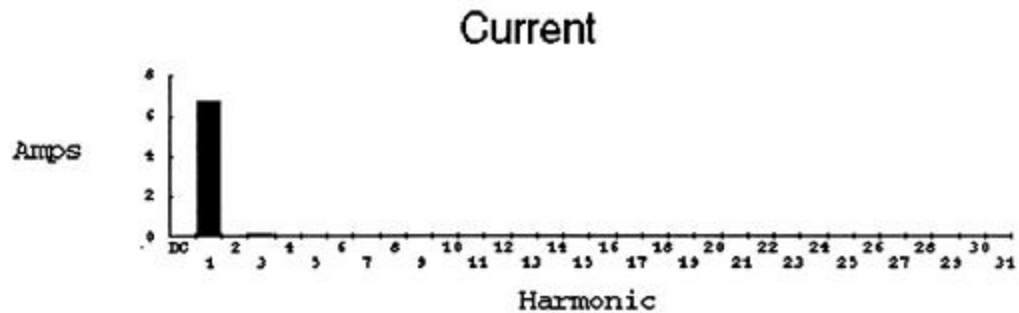
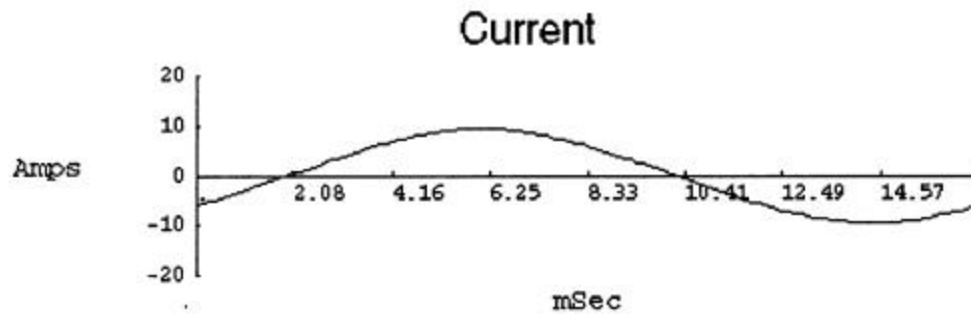
Frequency	59.98	RMS	Voltage 113.83	Current 6.80
Power		Peak	159.63	9.80
KW	0.62	DC Offset	0.15	-0.02
KVA	0.77	Crest	1.4	1.44
KVAR	0.47	THD Rms	1.37	2.49
Peak KW	1.42	THD Fund	1.37	2.50
Phase	37° lag	HRMS	1.56	0.17
Total PF	0.80	KFactor		1.02
DPF	0.80			



House Fan
Model - Emerson WHF1130
Ratings - 120V

Low Voltage Condition at high speed

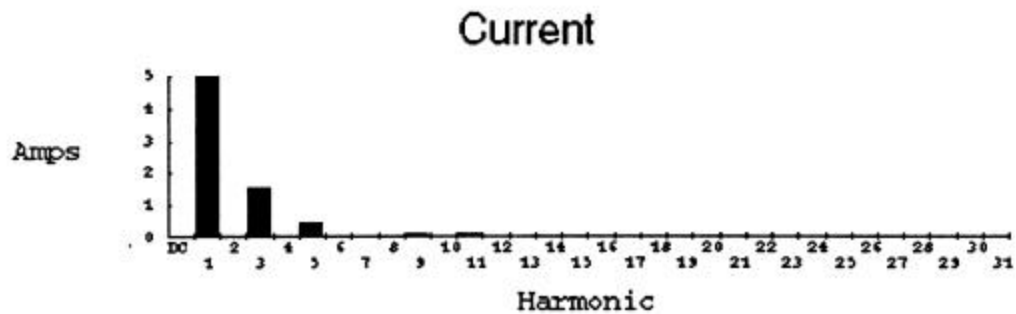
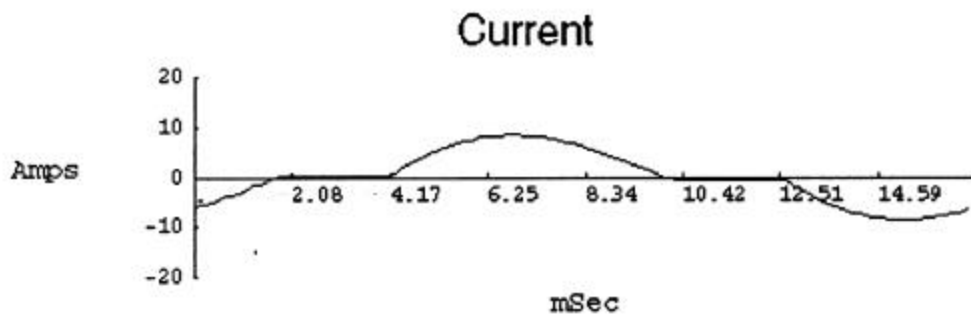
Frequency	60.04	RMS	Voltage 101.86	Current 6.76
Power		Peak	142.88	9.75
KW	0.52	DC Offset	0.04	-0.03
KVA	0.69	Crest	1.4	1.44
KVAR	0.45	THD Rms	1.42	2.49
Peak KW	1.24	THD Fund	1.42	2.49
Phase	41° lag	HRMS	1.45	0.17
Total PF	0.76	KFactor		1.01
DPF	0.76			



House Fan
Model - Emerson WHF1130
Ratings - 120V

Normal Voltage Condition at low speed

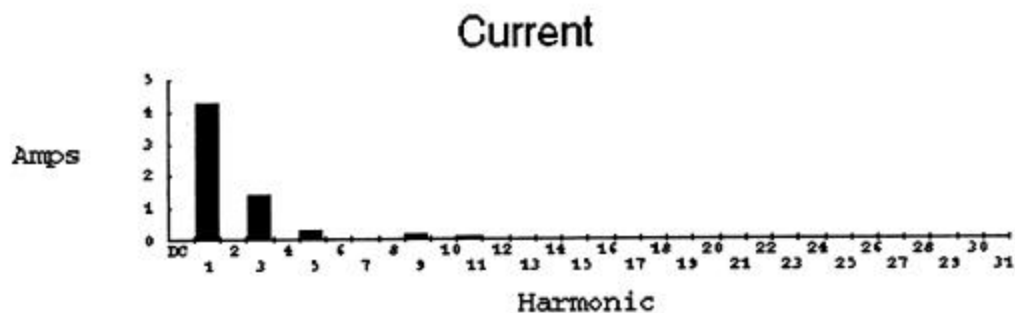
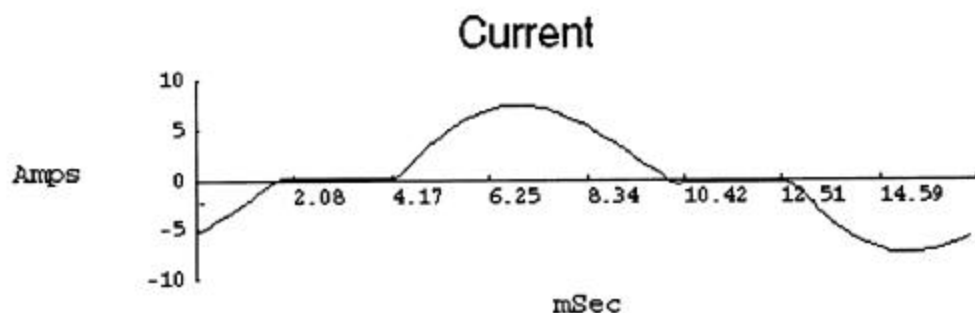
Frequency	59.98	RMS	Voltage	115.89	Current	5.23
Power		Peak		164.83		8.78
KW	0.30	DC Offset		0.07		-0.02
KVA	0.61	Crest		1.42		1.68
KVAR	0.50	THD Rms		1.79		30.16
Peak KW	1.02	THD Fund		1.79		31.63
Phase	59° lag	HRMS		2.07		1.58
Total PF	0.50	KFactor				1.99
DPF	0.51					



House Fan
Model - Emerson WHF1130
Ratings - 120V

Low Voltage Condition at low speed

Frequency	59.98	RMS	Voltage	Current
Power		Peak	103.92	4.47
KW	0.22	DC Offset	148.20	7.63
KVA	0.46	Crest	0.08	-0.01
KVAR	0.38	THD Rms	1.43	1.71
Peak KW	0.77	THD Fund	1.80	32.29
Phase	60° lag	HRMS	1.80	34.12
Total PF	0.47	KFactor	1.87	1.44
DPF	0.50			2.11

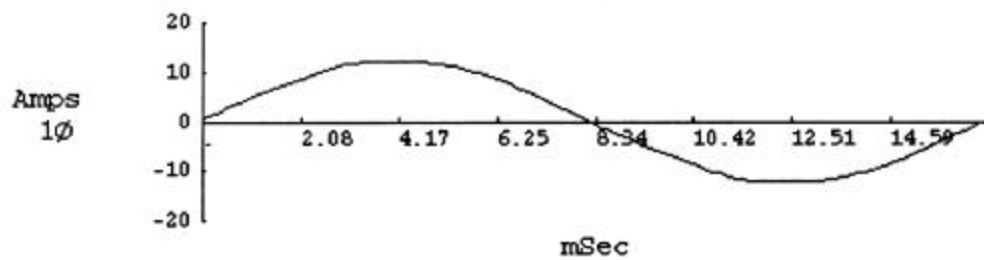


Hair Dryer
Model – Braun 4583
Ratings – 120V, 1200W

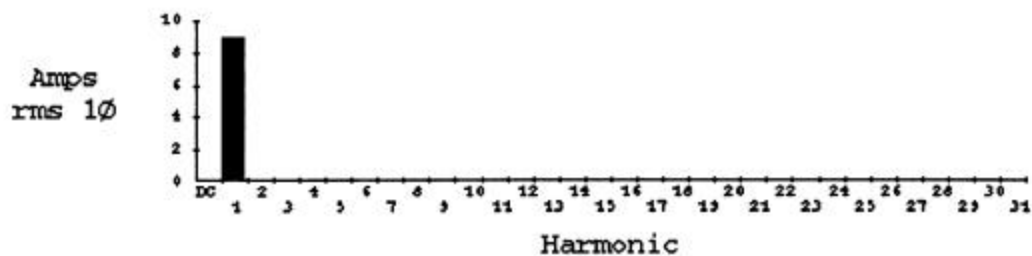
High Power Setting
 Normal Voltage Condition

Frequency	59.98	RMS	Voltage	Current
Power		Peak	120.10	8.95
KW	1.07	DC Offset	168.30	12.58
KVA	1.07	Crest	0.10	-0.02
KVAR	0.04	THD Rms	1.4	1.41
Peak KW	2.12	THD Fund	1.46	1.65
Phase	2° lead	HRMS	1.75	0.15
Total PF	1.00	KFactor		1.01
DPF	1.00			

Current



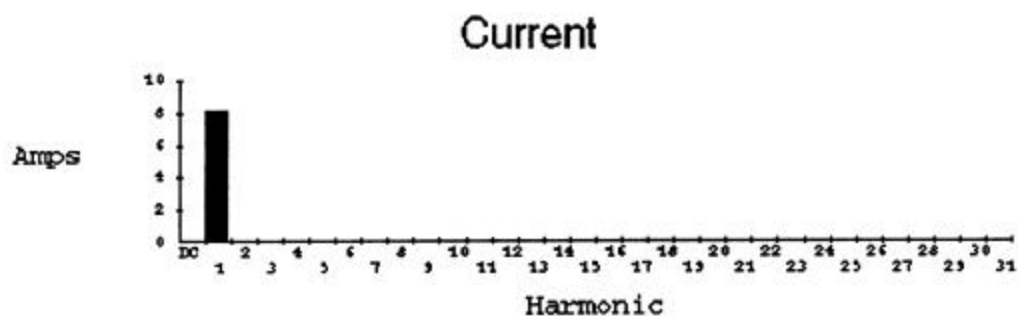
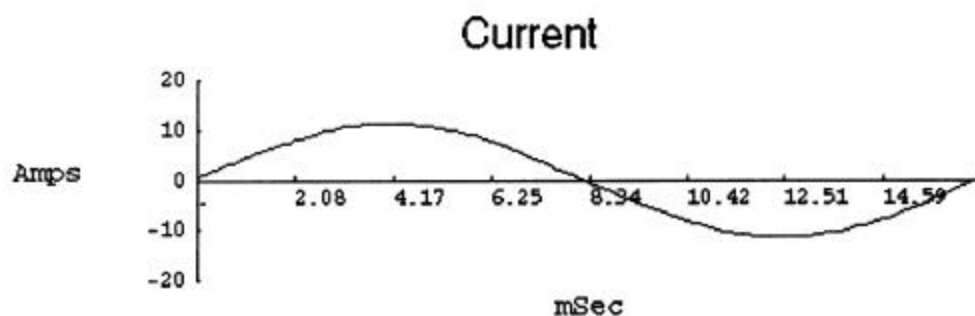
Current



Hair Dryer
Model – Braun 4583
Ratings – 120V, 1200W

High Power Setting
 Low Voltage Condition

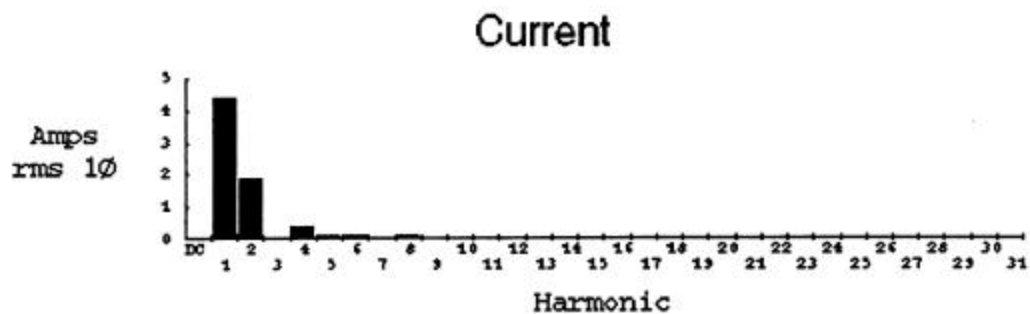
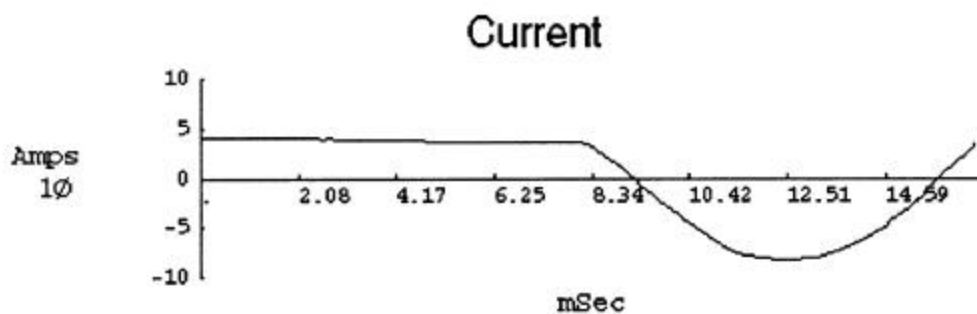
			Voltage	Current
Frequency	59.98	RMS	108.81	8.14
Power		Peak	152.52	11.45
KW	0.89	DC Offset	0.11	-0.02
KVA	0.89	Crest	1.4	1.41
KVAR	0.03	THD Rms	1.45	1.64
Peak KW	1.75	THD Fund	1.45	1.64
Phase	2° lead	HRMS	1.57	0.13
Total PF	1.00	KFactor		1.01
DPF	1.00			



Hair Dryer
Model – Braun 4583
Ratings – 120V, 1200W

Low Power Setting
Normal Voltage Condition

			Voltage	Current
Frequency	59.98	RMS	120.19	4.80
Power		Peak	168.71	6.34
KW	0.52	DC Offset	1.56	-0.01
KVA	0.58	Crest	1.4	1.32
KVAR	0.02	THD Rms	3.33	40.42
Peak KW	1.39	THD Fund	3.34	44.20
Phase	2° lead	HRMS	4.01	1.94
Total PF	0.91	KFactor		1.64
DPF	1.00			

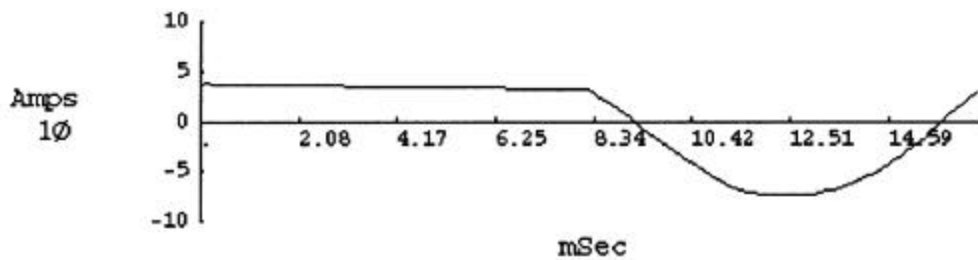


Hair Dryer
Model – Braun 4583
Ratings – 120V, 1200W

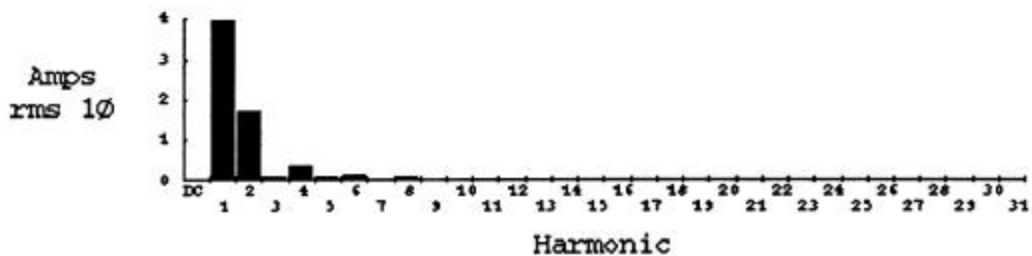
Low Power Setting
 Low Voltage Condition

			Voltage	Current
Frequency	59.98	RMS	108.38	4.35
Power		Peak	152.16	5.75
KW	0.43	DC Offset	1.36	0.00
KVA	0.47	Crest	1.4	1.32
KVAR	0.01	THD Rms	2.79	40.38
Peak KW	1.14	THD Fund	2.79	44.14
Phase	2° lead	HRMS	3.02	1.76
Total PF	0.91	KFactor		1.64
DPF	1.00			

Current



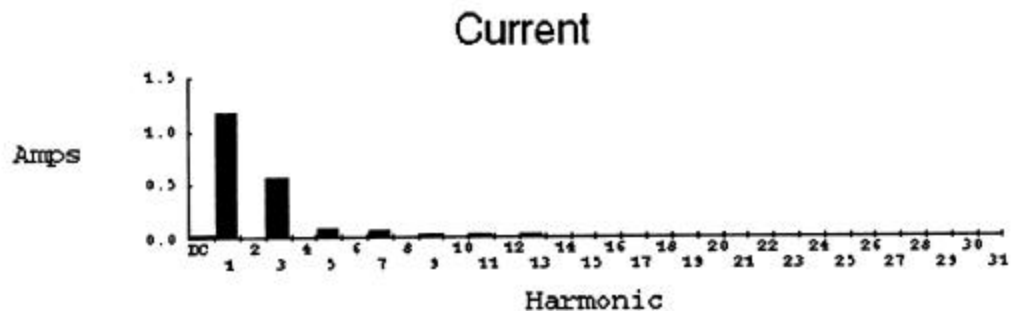
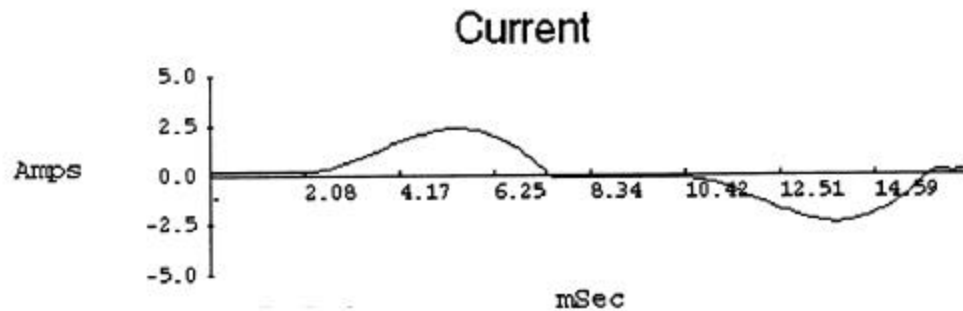
Current



Garbage Disposal Unit
Model - Sinkmaster 801
Ratings - 115V, 4.5A

Normal Voltage Condition

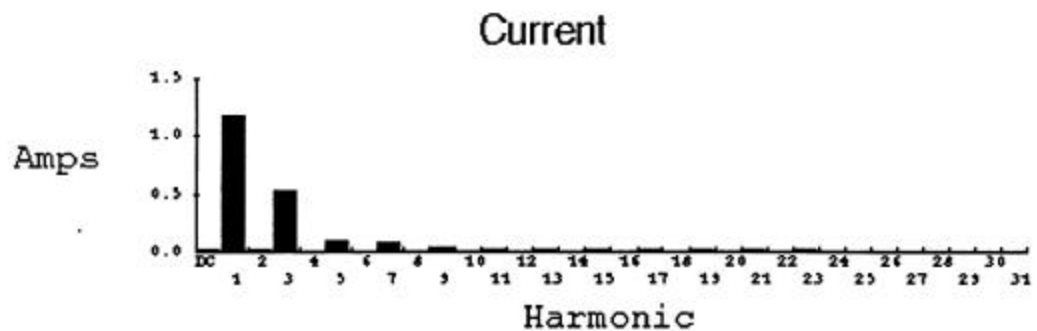
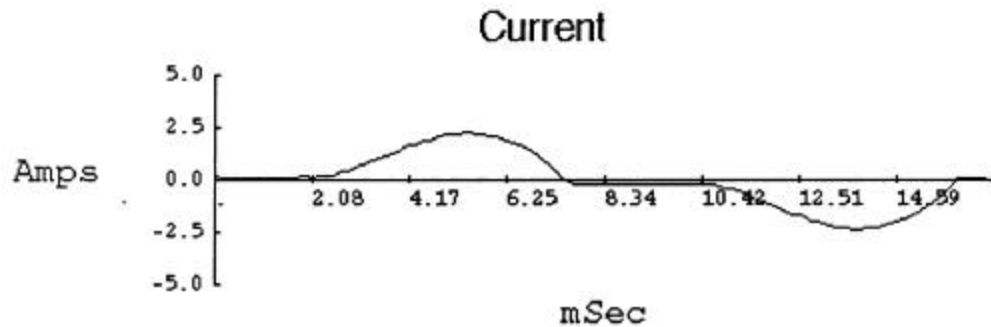
			Voltage	Current
Frequency	59.98	RMS	118.34	1.32
Power		Peak	166.04	2.45
Watts	134.79	DC Offset	0.09	-0.02
VA	155.89	Crest	1.4	1.86
Vars	40.26	THD Rms	1.26	43.83
Peak W	381.73	THD Fund	1.26	48.76
Phase	17° lag	HRMS	1.49	0.58
Total PF	0.87	KFactor		3.03
DPF	0.96			



Garbage Disposal Unit
Model - Sinkmaster 801
Ratings - 115V, 4.5A

Low Voltage Condition

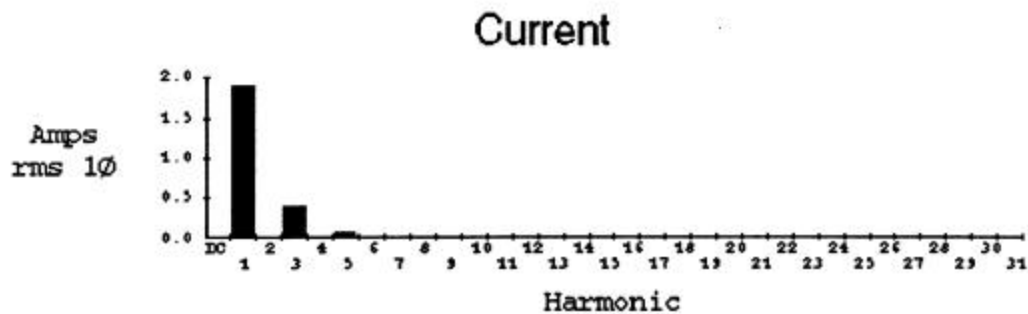
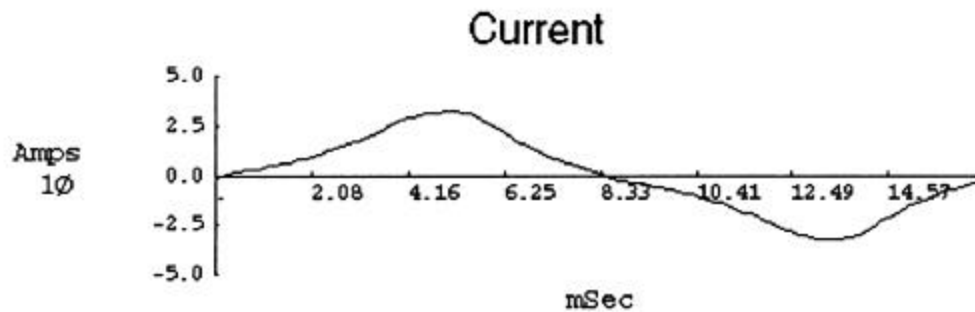
Frequency	59.98	RMS	Voltage	Current
Power		Peak	104.94	1.29
Watts	117.79	DC Offset	147.17	2.35
VA	135.89	Crest	0.08	-0.02
Vars	38.26	THD Rms	1.4	1.82
Peak W	328.73	THD Fund	1.20	41.98
Phase	18° lag	HRMS	1.20	46.26
Total PF	0.87	KFactor	1.26	0.54
DPF	0.95			2.86



Drill
Model - Ryobi D38VSR
Ratings - 120V, 4A (Yr - 1995)

Normal Voltage Condition

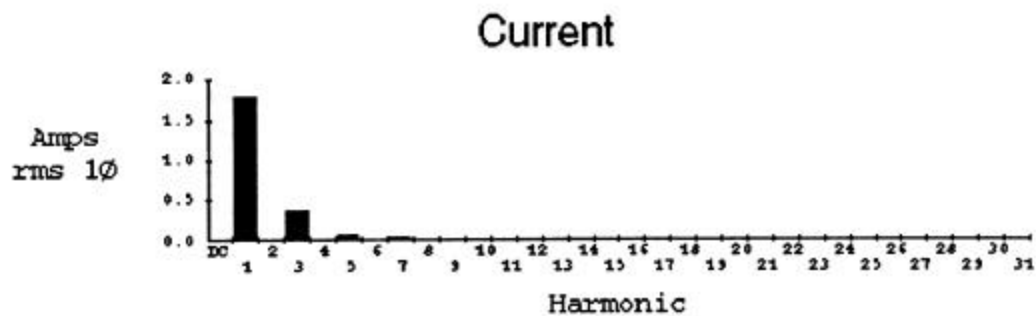
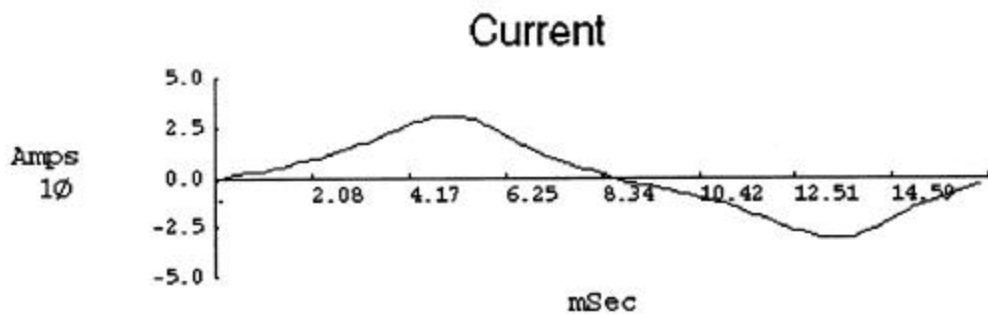
Frequency	60.04	RMS	Voltage	119.46	Current
Power		Peak		167.81	3.33
KW	0.22	DC Offset		0.11	-0.02
KVA	0.23	Crest		1.4	1.71
KVAR	0.04	THD Rms		1.92	21.15
Peak KW	0.55	THD Fund		1.92	21.63
Phase	11° lag	HRMS		2.29	0.41
Total PF	0.96	KFactor			1.43
DPF	0.98				



Drill
Model - Ryobi D38VSR
Ratings - 120V, 4A (Yr - 1995)

Low Voltage Condition

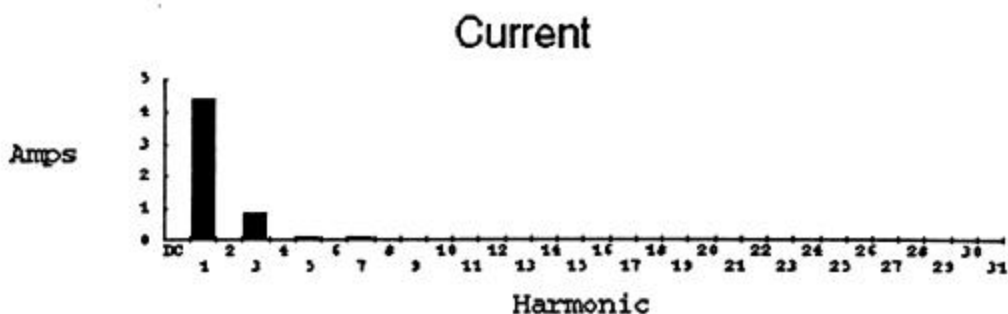
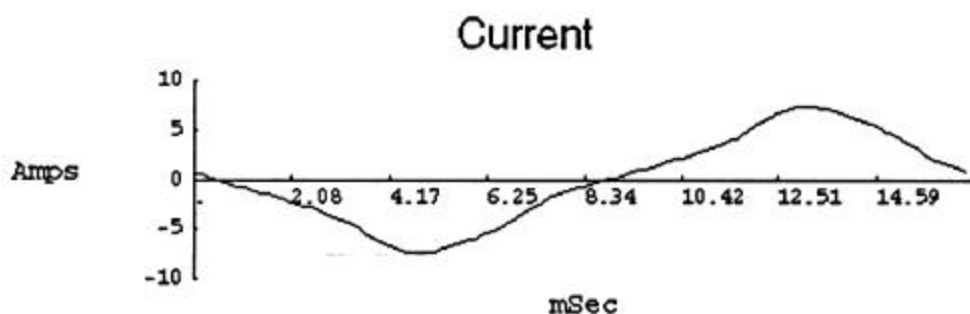
Frequency	59.98	RMS	Voltage	Current
Power		Peak	107.89	1.84
KW	0.19	DC Offset	151.38	3.12
KVA	0.20	Crest	0.17	-0.02
KVAR	0.04	THD Rms	1.4	1.69
Peak KW	0.47	THD Fund	1.88	20.01
Phase	12° lag	HRMS	1.88	20.42
Total PF	0.96	KFactor	2.02	0.37
DPF	0.98			1.40



Garage Door
Model - Sears (S. No. 139.6530000)
Ratings - 117V, 4.5A

Normal Voltage Condition

Frequency	59.98	RMS	Voltage	Current
Power		Peak	118.01	4.50
KW	-0.51	DC Offset	165.13	7.59
KVA	0.53	Crest	0.19	-0.02
KVAR	0.11	THD Rms	1.4	1.69
Peak KW	-1.24	THD Fund	1.42	18.55
Phase	167° lead	HRMS	1.42	18.88
Total PF	-0.95	KFactor	1.68	0.84
DPF	-0.98			1.32

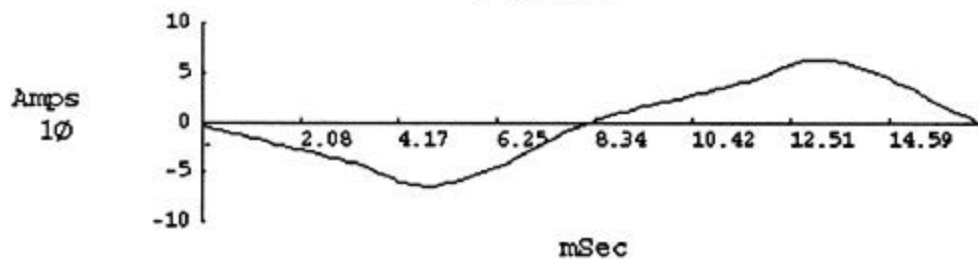


Garage Door
Model - Sears (S. No. 139.6530000)
Ratings - 117V, 4.5A

Low Voltage Condition

Frequency	59.98	RMS	Voltage	Current
Power		Peak	106.86	4.01
KW	-0.42	DC Offset	149.21	6.59
KVA	0.43	Crest	0.19	-0.02
KVAR	0.05	THD Rms	1.4	1.64
Peak KW	-0.98	THD Fund	1.43	16.45
Phase	174° lead	HRMS	1.43	16.68
Total PF	-0.98	KFactor	1.53	0.66
DPF	-0.99			1.25

Current



Current

